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Score distributions were obtained for 43,877 candidates tested through the United States Armed Forces Institute (USAFI) on all five College-Level Entrance Program (CLEP) General Examinations. Findings included the following: (1) the majority of candidates were between ages 19 and 22; (2) 69.3% had completed high school but only 20.7% had attended college; (3) in general, four years of college added 100 points to individual scores; (4) overall average scores increased from age 17 to a peak around ages 22-24; (5) the oldest group (over 40) was not the lowest on any of the examinations; (6) observed differences between highest and lowest scoring age groups were smallest for English Composition (20 points) and largest for Social Sciences-History (50); (7) average scores on the five examinations were consistently related to each other for ages 17-24, but by age 30 the relationships had shifted. In a summary memorandum to college admissions officers concerning USAFI candidates and CLEP scores, the College Entrance Examination Board stressed the importance of obtaining veterans' CLEP and equivalent scores and reporting them to the USAFI. (The document includes 35 tables.) (ly)

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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Score Distributions

GENERAL EXAMINATIONS

College-Level Examination Program

Candidates Tested Through
The
United States Armed Forces Institute

July 1965 - December 1966

College Entrance Examination Board
March 1968

AC 004 057

Contents

	Page
The Source of the Data	1
The Group Tested	3
Age Distribution of the Group Tested	3
Candidate Achievement	4
Achievement Related To Previous Formal Education	4
Achievement Related To Age	5

Tables:

Table A	Distribution of Formal Education Completed	3
Table B	General Examinations Mean Scores	4
Table I	Percentile Ranks - All Candidates	2
Table II	Percentile Ranks - Highest Grade Completed - Grade 12	8
Table III	Percentile Ranks - Highest Grade Completed - Grade 13	9
Table IV	Percentile Ranks - Highest Grade Completed - Grade 14	10
Table V	Percentile Ranks - Highest Grade Completed - Grade 15	11
Table VI	Percentile Ranks - Highest Grade Completed - Grade 16	12
Table VII	Percentile Ranks - Highest Grade Completed - Indeterminate	13
Table VIII	Percentile Ranks - Age 17	15
Table IX	Percentile Ranks - Age 18	16
Table X	Percentile Ranks - Age 19	17
Table XI	Percentile Ranks - Age 20	18
Table XII	Percentile Ranks - Age 21	19
Table XIII	Percentile Ranks - Age 22	20
Table XIV	Percentile Ranks - Age 23	21
Table XV	Percentile Ranks - Age 24	22
Table XVI	Percentile Ranks - Age 25	23
Table XVII	Percentile Ranks - Age 26	24
Table XVIII	Percentile Ranks - Age 27	25
Table XIX	Percentile Ranks - Age 28	26
Table XX	Percentile Ranks - Age 29	27
Table XXI	Percentile Ranks - Age 30	28
Table XXII	Percentile Ranks - Age 31	29
Table XXIII	Percentile Ranks - Age 32	30
Table XXIV	Percentile Ranks - Age 33	31
Table XXV	Percentile Ranks - Age 34	32
Table XXVI	Percentile Ranks - Age 35	33
Table XXVII	Percentile Ranks - Age 36	34
Table XXVIII	Percentile Ranks - Age 37	35
Table XXIX	Percentile Ranks - Age 38	36
Table XXX	Percentile Ranks - Age 39	37
Table XXXI	Percentile Ranks - Age 40	38
Table XXXII	Percentile Ranks - Over Age 40	39
Table XXXIII	Percentile Ranks - Age Indeterminate	40

COLLEGE ENTRANCE EXAMINATION BOARD
475 Riverside Drive, New York, N.Y. 10027, University 5-9500

JACK N. ARBOLINO
Executive Director,
Council on
College-Level Examinations

MEMORANDUM TO: College Admissions Officers

SUBJECT: USAFI Candidates and CLEP Scores

Under special arrangements between the College-Level Examination Program and the United States Armed Forces Institute, the General Examinations of CLEP are available for administration to members of the Armed Forces. Through the cooperation of USAFI, the College Board has been furnished with score distributions of all USAFI candidates who took the complete battery of five General Examinations during the period July 1965 - December 1966. A total of 43,877 candidates were tested. We have here, perhaps for the first time, some indication of the college-level achievement of a substantial number of American adults most of whom have not formally attended college.

We are sharing with you some of the first systematic data about these candidates and the CLEP examinations. We feel sure the information will be of great interest to you. Appended to this memorandum are three tables that indicate some of the data that are now available. Table I shows percentile ranks for the total group of USAFI candidates. Table II shows percentile ranks for those USAFI candidates whose highest level of formal education completed was high school twelfth grade. Table III shows percentile ranks for those USAFI candidates who had had one year of college.

Here are some of the observations based not only on the tables attached but all of the data obtained from USAFI.

a. Among candidates tested by USAFI there is evidence of thousands of people whose achievement would qualify them for consideration for college credit on the basis of recommendations made by the Commission on Accreditation of Service Experiences* (CASE) of the American Council on Education. CASE recommends that credit and advanced standing be awarded to adults, both military and civilian, for scores at or above the 25th percentile of the national college norming groups.

b. The average USAFI candidate exceeded the score levels recommended by CASE for consideration for college credit in three of the five tests, and in the other two, for all practical purposes, equalled the level recommended.

*Opportunities For Educational And Vocational Advancement, Bulletin No. 10 June 1965. Commission on Accreditation of Service Experiences, American Council on Education, Washington, D. C.

c. Although the total USAFI candidate group had average scores on each of the examinations lower than regularly matriculated students tested at the end of their sophomore year in college, it should be emphasized that only 20 out of 100 USAFI candidates have attended college at all.

d. The data reveal that there were thousands of adults who had not attended college whose scores exceeded those of the average college-taught sophomores.

e. The USAFI data substantiates the CLEP premise that educational achievement among American adults is substantial and beyond that which might be indicated solely on the basis of records of formal college attendance. For instance, among the approximately 44,000 candidates tested, only 4200 claimed completion of formal college work beyond the freshman year. As measured by the General Examinations and following standards recommended by CASE, the number of individuals whose achievement was beyond freshman year varies from test to test but ranges from 18 to 24 thousand.

f. The USAFI data, of course, also show that thousands of candidates were not able to demonstrate achievement at the college-level. The Program points to this aspect of the results only to indicate that the examinations are rigorous and do discriminate among candidates and that all who take them do not necessarily succeed.

g. The USAFI data adds to the store of validity information for the General Examinations. All other things being equal, one would expect General Examinations scores to increase with the amount of formal education completed. This was observed with the USAFI data. There is a steady progression of scores on all tests when mean scores are tabulated according to formal education completed from high school twelfth grade to four years of college. In fact, the data suggest, as a rough rule, that for the USAFI group four years of college added approximately 100 points to General Examinations scores.

h. USAFI also furnished score data by age of candidate tested. These data offer no encouragement to the idea that CLEP General Examinations are biased against the older candidate. For two examinations the oldest candidate group (those over 40 years of age) had the highest mean scores. For the remaining examinations, the lowest mean scores were attained by candidates of ages somewhere between the youngest and the oldest groups tested.

The College Board will publish these data and make them available. In the meanwhile, it seemed important to share this information with you. The scores of some USAFI candidates have been reported to colleges but this has not happened as frequently as it should. Therefore, the College Board recommends that Admissions Officers ask returning servicemen if they have taken CLEP (or CCT)* General Examinations, and further, that the veteran release his scores through USAFI. Should any veteran be uncertain as to how to arrange to have USAFI report his General Examinations scores he should be instructed to write to Department

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*The CLEP examinations were formerly called the Comprehensive College Tests.

of Defense, United States Armed Forces Institute, Madison, Wisconsin 53703.* USAFI has indicated it is important that the veteran provide all Military Service numbers as well as his Social Security number to assist in correctly identifying his records. USAFI will report scores without charge.

Moreover, veterans in increasing numbers are seeking college admission, and because more and more adults, who have acquired their learning through non-traditional ways, are seeking recognition for their work, it seems advisable that institutions participating in CLEP should publish a definitive policy statement in their catalog and elsewhere to encourage all candidates to submit their CLEP scores. For veterans, the opportunity to obtain credit through CLEP means their government educational benefits can be used more effectively. For any educationally ambitious individual the opportunity to move forward and to obtain recognition for previous learning provides incentive and encouragement.

For those institutions not familiar with the Program and its purposes, the College Board will provide informational materials and assistance in developing effective local programs. The College Board also offers free trial administrations of the examinations to enable colleges to obtain first hand experience with the examinations and to develop score interpretive material which has local relevance.

For copies of a complete set of the USAFI candidate performance tables, please write to the Executive Director of the Council on College-Level Examinations. For information about free trial administrations or for additional assistance please write to the regional representatives listed below.

Three copies of this memorandum have been sent to you should you wish to share it with other staff members.

Jack N. Arbolino
Executive Director
Council on College-Level Examinations

February 15, 1968

Midwest
J. Quentin Jones
Midwestern Regional Office
College Entrance Examination Board
625 Colfax Street
Evanston, Illinois 60201

Northeast
Edwin J. Carine, Jr.
Northeastern Regional Office
475 Riverside Drive
New York, New York 10027

South
George E. Wolff
Southern Regional Office
College Entrance Examination Board
Sewanee, Tennessee 37375

Southwest
Harry M. Gerlach
Southwestern Regional Office
College Entrance Examination Board
2813 Rio Grande Street, Box 7276
Austin, Texas 78712

West
Carole A. Leland
Western Regional Office
College Entrance Examination Board
800 Welch Road
Palo Alto, California 94204

*After April 1, 1968 write to Department of Defense, United States Armed Forces Institute, 2318 South Park Street, Madison, Wisconsin 53713.

TABLE I

GENERAL EXAMINATIONS

Percentile Ranks

All USAFI Candidates Taking Full Battery - July 1965 - December 1966

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760						760
740				99.7		740
720			99.6	99.3		720
700			99.3	99	99.5	700
680	99.6	99.6	99	98	99.1	680
660	99.3	99.3	98	97	99	660
640	99	99	97	96	98	640
620	98	98	96	92	97	620
600	97	98	93	92	95	600
580	96	97	91	88	93	580
560	94	95	88	85	90	560
540	92	93	84	80	87	540
520	88	89	80	74	82	520
500	85	85	73	68	77	500
480	79	79	69	61	69	480
460	74	71	63	53	62	460
440	67	63	55	45	54	440
420	59	51	47	38	45	420
400	51	41	38	29	36	400
380	42	29	29	22	26	380
360	33	19	19	16	18	360
340	25	11	10	10	11	340
320	17	3	3	6	5	320
300	11			3	1.7	300
280	3			1		280
260	2					260
240	0.06					240
220						220
200						200
Mean	407	425	443	459	441	Mean
Standard Deviation	88	73	90	95	85	Standard Deviation
Number Tested	43,877	43,877	43,877	43,877	43,877	Number Tested

TABLE II

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - 12th Grade

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+		99.9+	99.9+	800
780		99.9+	99.9+	99.9+	99.9+	780
760	99.9+	99.9+	99.9+	99.9+	99.9+	760
740	99.9+	99.9+	99.9+	99.9	99.9+	740
720	99.9+	99.9+	99.9	99.7	99.9	720
700	99.9+	99.9	99.8	99.5	99.8	700
680	99.8	99.8	99.6	99.2	99.6	680
660	99.7	99.7	99.3	99	99.3	660
640	99.4	99.5	99	97	99	640
620	99	99.3	98	96	98	620
600	98	99	96	94	97	600
580	97	98	94	91	95	580
560	96	97	92	88	93	560
540	94	95	89	84	90	540
520	91	92	85	79	87	520
500	88	88	80	73	82	500
480	84	83	75	66	75	480
460	78	76	68	57	68	460
440	72	68	61	50	59	440
420	64	58	52	42	50	420
400	55	45	42	33	40	400
380	46	32	32	24	30	380
360	37	21	21	18	20	360
340	27	12	12	11	12	340
320	19	4	4	7	6	320
300	11			4	2	300
280	4			1		280
260	2					260
240	0.6					240
220						220
200						200
Mean	396	415	430	447	429	Mean
Standard Deviation	83	67	80	90	78	Standard Deviation
Number Tested	30368	30368	30368	30368	30368	Number Tested

TABLE III

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - 13th Grade

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+	99.9	99.9+		800
780	99.9+	99.9+	99.8	99.8	99.9+	780
760	99.9+	99.9+	99.7	99.6	99.9	760
740	99.9+	99.9+	99.4	99.1	99.8	740
720	99.8	99.9	99	99	99.5	720
700	99.5	99.7	98	98	99	700
680	99	99.4	97	96	98	680
660	98	99	95	94	97	660
640	98	98	93	92	95	640
620	96	97	90	88	93	620
600	94	95	85	84	90	600
580	92	93	80	78	86	580
560	88	90	74	73	81	560
540	84	85	67	66	75	540
520	78	79	60	58	68	520
500	72	72	53	50	60	500
480	64	64	46	42	50	480
460	55	54	39	34	42	460
440	47	44	32	27	33	440
420	38	34	26	21	25	420
400	30	23	19	15	18	400
380	22	14	13	10	11	380
360	16	8	8	7	7	360
340	11	4	4	4	3	340
320	6	1	1	2	1	320
300	3			1	0.5	300
280	2			0.4		280
260	0.6					260
240	0.1					240
220						220
200						200
Mean	451	458	493	502	483	Mean
Standard Deviation	89	76	96	96	86	Standard Deviation
Number Tested	4902	4902	4902	4902	4902	Number Tested

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on Adult Education

The Source of the Data

A contractual arrangement exists between Educational Testing Service (acting on behalf of the College Board) and the United States Armed Forces Institute (USAFI) for the use of the General Examinations of the College-Level Examination Program (CLEP). Under this arrangement, ETS furnishes copies of the examinations to USAFI. USAFI, in turn, arranges for the administration of the examinations, under secure conditions, to members of the armed forces who wish to take them. USAFI also scores the examinations and reports scores at the candidates' requests to colleges and universities.

Through the cooperation of USAFI, score distributions were obtained for all candidates who took the complete battery of five General Examinations during the period July 1965 through December 1966. Using these data, ETS prepared the tables in this report.

A total of 43,877 candidates were tested. Percentile ranks for the total group of candidates are shown in Table I.

TABLE I

GENERAL EXAMINATIONS

Percentile Ranks

All USAFI Candidates Taking Full Battery - July 1965 - December 1966

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760						760
740				99.7		740
720			99.6	99.3		720
700			99.3	99	99.5	700
680	99.6	99.6	99	98	99.1	680
660	99.3	99.3	98	97	99	660
640	99	99	97	96	98	640
620	98	98	96	92	97	620
600	97	98	93	92	95	600
580	96	97	91	88	93	580
560	94	95	88	85	90	560
540	92	93	84	80	87	540
520	88	89	80	74	82	520
500	85	85	73	68	77	500
480	79	79	69	61	69	480
460	74	71	63	53	62	460
440	67	63	55	45	54	440
420	59	51	47	38	45	420
400	51	41	38	29	36	400
380	42	29	29	22	26	380
360	33	19	19	16	18	360
340	25	11	10	10	11	340
320	17	3	3	6	5	320
300	11			3	1.7	300
280	3			1		280
260	2					260
240	0.06					240
220						220
200						200
Mean	407	425	443	459	441	Mean
Standard Deviation	88	73	90	95	85	Standard Deviation
Number Tested	43,877	43,877	43,877	43,877	43,877	Number Tested

The Group Tested

Formal Education Completed:

Table A shows the distribution of formal education completed for the candidates whose test performance is included in this report.

Table A

Educational Level (Highest Grade Completed)	Number of Candidates	Percent of Total Group
Grade 12	30,368	69.3
13	4,902	11.2
14	3,009	6.8
15	966	2.2
16	239	.5
Indeterminate	4,393	10.0
TOTAL	43,877	100.0

Percentile ranks tables for USAFI candidates grouped on the basis of formal education completed are shown in Tables II through VII.

Age Distribution of the Group Tested:

USAFI prepared score distributions for each age where the total number of candidates was at least 100. Distributions for ages 17 through 40 were prepared. In addition a single distribution for all candidates over age 40 was prepared which presents data for 567 individuals. For only 259 candidates was it impossible to determine age at the time of testing. Percentile ranks tables by age are presented in Tables VIII through XXXIII.

Readers will observe that the number of candidates varies by test in these tables. This is due to the fact that the candidates were not required to take the full battery of five examinations in a single sitting. For a few candidates there was a minor change in age between the time they took the first test in the battery and when they completed the full battery.

The above facts complicate the task of making generalized statements about the age composition of the total group of candidates. It is not possible, for example, to compute a mean age for the group. However, the modal age is 20 years and the median age is 21 years. A further indication that the USAFI candidate group consists of young adults is the fact that the majority of the candidates were between 19 and 22 years of age.

Candidate Achievement

Achievement Related to Previous Formal Education:

The total USAFI candidate group had mean scores on each of the examinations which were significantly lower than those for groups for which CLEP has previously compiled data*. However, the Program normative data, heretofore, has been confined to scores earned by students enrolled in formal college educational programs at various levels, such as college freshmen, college sophomores, and college seniors. Given the distribution of formal education completed (see Table A on page 3) which shows that only 29% have attended college, it is not surprising that the USAFI candidate group did less well than the CLEP college student normative groups.

Obviously, the use of General Examinations by USAFI candidates is not intended to demonstrate that anyone regardless of formal educational background can achieve at levels attained by regular college students. Instead a major purpose of CLEP is to assist colleges to identify those individuals who have achieved beyond their formal education and to measure the extent of such achievement. The tables of this report suggest that substantial numbers of such people can be found by colleges among USAFI tested individuals. How many will be found depends, of course, upon the achievement levels colleges set up or are willing to recognize. However, roughly one out of two USAFI candidates achieved at levels equal to or higher than those which have been commended to colleges for consideration by the Commission on Accreditation of Service Experiences (CASE) of the American Council on Education**.

The USAFI data add to the store of validity information for the General Examinations. All other things being equal, one would expect General Examinations scores to increase with the amount of formal education completed. The following table shows how the data gathered support that expectation:

Table B

General Examinations Mean Scores

Level of Formal Education Completed	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History
Indeterminate	376	400	404	430	409
Grade 12	396	415	413	447	429
13	451	458	493	502	483
14	460	470	512	517	498
15	479	492	530	537	522
16	493	516	539	554	541

*See Score Interpretation Guide, College-Level Examination Program, CEEB, 1967

**Opportunities For Educational And Vocational Advancement, Bulletin No. 10, June 1965. Commission on Accreditation of Service Experiences, American Council on Education, Washington, D. C.

It is not known what factors of selection, if any, operated within the USAFI candidate group. Yet these data do show a steady progression of scores on all tests when mean scores are tabulated according to the amount of formal education completed from high school twelfth grade through four years of college. As a rough rule for the USAFI group, four years of college added approximately 100 points to General Examinations scores.

Achievement Related to Age:

Since data on college level achievement of American adults, in terms other than attendance in formal education programs, has been largely non-existent, the General Examinations score distributions by age groups provide some fascinating information. Admittedly only limited or tentative conclusions can be drawn from the data because the considerations influencing USAFI candidates to take the examinations are not known. For example, it is not known whether those tested at age 17 were typical servicemen or whether they were among the most able servicemen of this age. Moreover, it is not known whether there was any differential selection of those tested, say, at age 17 vs. those at age 40. Obviously few, if any, college graduates were among the USAFI candidates who were 17 years old. It is not known how many, if any, college graduates were in the USAFI 40 year old group. However, it is possible that the 40 year old group contained more people who had some formal college education than the 17 year old group.

The following observations are based on the USAFI score distributions by age:

1. The oldest age group had the highest mean scores on two of the five examinations. For Social Sciences-History and for Humanities the over 40-age group mean was higher than that for any other age group. One would expect that of the five tests in the General Examinations battery, Social Sciences-History and Humanities would be more responsive to the accumulated value of "life experience". (Those age groups that had the least life experience--including formal education--namely, 17 and 18 year olds, had the lowest mean scores on these two tests.) Conversely the three tests (English Composition, Mathematics, and Natural Sciences) where the oldest candidates did not have the highest mean scores are examinations where the recency, nature and kind of formal educational experience a candidate had had might weigh more heavily.

2. The oldest age group was not the lowest scoring group on any of the examinations. Observations 1 and 2 offer no encouragement to the idea that CLEP General Examinations are biased against the older candidate.

3. The observed differences in means between the highest scoring age group and the lowest scoring age group varied from test to test. These differences were smallest in English Composition (20 points) and largest in Social Sciences-History (50 points).

4. Average scores on the five examinations in the battery had consistent relationships to each other from age 17 through 24. That is, at each age the highest mean was in Natural Sciences; next highest, Mathematics; then followed Social Sciences-History, Humanities and English Composition in that order. After age 24 the relationships between the

examinations began to shift so that by age 30 the examinations had established a different relationship to each other. By age 30 and thereafter the highest mean was in Social Sciences-History; next highest, in the Natural Sciences; then followed Humanities, Mathematics and English Composition in that order.

5. The distributions in Tables VIII through XXXIII report on achievement throughout a substantial portion of the young adult years--for ages 17 to over 40--a range of ages spanning more than 23 years. Average scores on all five examinations increase from age 17 to a peak around ages 22-24. For three examinations--English Composition, Mathematics, and Natural Sciences--there then follows a decline so that the first peak is, indeed, the highest average achievement level attained. For Social Sciences-History, average scores move upward after age 24--(albeit with some fluctuations) until the highest level of all is reached by the over-40 group. Humanities average score declines for age 25 through age 28--followed by a recovery so that by age 36 and beyond the earlier high score levels are equaled or exceeded.

TABLES II - VII

Percentile Ranks

for

Candidates Grouped
According to Amount
of Previous Formal
Education Completed

TABLE II

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - 12th Grade

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+		99.9+	99.9+	800
780		99.9+	99.9+	99.9+	99.9+	780
760	99.9+	99.9+	99.9+	99.9+	99.9+	760
740	99.9+	99.9+	99.9+	99.9	99.9+	740
720	99.9+	99.9+	99.9	99.7	99.9	720
700	99.9+	99.9	99.8	99.5	99.8	700
680	99.8	99.8	99.6	99.2	99.6	680
660	99.7	99.7	99.3	99	99.3	660
640	99.4	99.5	99	97	99	640
620	99	99.3	98	96	98	620
600	98	99	96	94	97	600
580	97	98	94	91	95	580
560	96	97	92	88	93	560
540	94	95	89	84	90	540
520	91	92	85	79	87	520
500	88	88	80	73	82	500
480	84	83	75	66	75	480
460	78	76	68	57	68	460
440	72	68	61	50	59	440
420	64	58	52	42	50	420
400	55	45	42	33	40	400
380	46	32	32	24	30	380
360	37	21	21	18	20	360
340	27	12	12	11	12	340
320	19	4	4	7	6	320
300	11			4	2	300
280	4			1		280
260	2					260
240	0.6					240
220						220
200						200
Mean	396	415	430	447	429	Mean
Standard Deviation	83	67	80	90	78	Standard Deviation
Number Tested	30368	30368	30368	30368	30368	Number Tested

TABLE III

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - 13th Grade

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+	99.9	99.9+		800
780	99.9+	99.9+	99.8	99.8	99.9+	780
760	99.9+	99.9+	99.7	99.6	99.9	760
740	99.9+	99.9+	99.4	99.1	99.8	740
720	99.8	99.9	99	99	99.5	720
700	99.5	99.7	98	98	99	700
680	99	99.4	97	96	98	680
660	98	99	95	94	97	660
640	98	98	93	92	95	640
620	96	97	90	88	93	620
600	94	95	85	84	90	600
580	92	93	80	78	86	580
560	88	90	74	73	81	560
540	84	85	67	66	75	540
520	78	79	60	58	68	520
500	72	72	53	50	60	500
480	64	64	46	42	50	480
460	55	54	39	34	42	460
440	47	44	32	27	33	440
420	38	34	26	21	25	420
400	30	23	19	15	18	400
380	22	14	13	10	11	380
360	16	8	8	7	7	360
340	11	4	4	4	3	340
320	6	1	1	2	1	320
300	3			1	0.5	300
280	2			0.4		280
260	0.6					260
240	0.1					240
220						220
200						200
Mean	451	458	493	502	483	Mean
Standard Deviation	89	76	96	96	86	Standard Deviation
Number Tested	4902	4902	4902	4902	4902	Number Tested

TABLE IV

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - 14th Grade

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+	99.9+	99.9+	99.9+	800
780	99.9+	99.9+	99.8	99.7	99.9+	780
760	99.9+	99.9	99.6	99.5	99.8	760
740	99.9+	99.8	99.2	99	99.6	740
720	99.7	99.6	98	98	99.1	720
700	99.4	99.5	97	97	98	700
680	99	99.1	96	95	97	680
660	98	98	93	93	96	660
640	97	97	90	89	93	640
620	95	95	86	85	90	620
600	92	93	80	80	87	600
580	89	90	73	74	82	580
560	85	86	67	68	76	560
540	81	81	59	60	70	540
520	75	74	52	52	63	520
500	68	67	46	44	54	500
480	60	58	39	36	44	480
460	52	49	32	29	35	460
440	44	40	26	23	28	440
420	35	28	20	17	20	420
400	27	19	15	12	13	400
380	19	11	10	7	8	380
360	13	6	6	5	5	360
340	8	3	3	3	2	340
320	5	0.7	0.7	1	0.9	320
300	2			0.6	0.2	300
280	1			0.2		280
260	0.4					260
240	0.1					240
220						220
200						200
Mean	460	470	512	517	497	Mean
Standard Deviation	90	78	98	96	88	Standard Deviation
Number Tested	3009	3009	3009	3009	3009	Number Tested

TABLE V

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - 15th Grade

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800	99.9+	99.9+	99.9	99.8	99.9+	800
780	99.9+	99.9	99.6	99.4	99.7	780
760	99.9	99.6	99.2	99	99.4	760
740	99.7	99.2	98	98	99	740
720	99.4	99	97	96	97	720
700	99	98	95	94	96	700
680	98	97	92	91	94	680
660	96	95	88	88	92	660
640	94	93	83	84	89	640
620	92	90	78	79	86	620
600	89	87	72	74	81	600
580	86	85	66	66	73	580
560	81	80	60	59	66	560
540	75	74	53	52	58	540
520	69	67	46	43	50	520
500	60	58	40	36	41	500
480	52	48	33	30	33	480
460	44	37	27	23	26	460
440	35	29	22	18	20	440
420	27	20	17	13	14	420
400	20	12	12	8	9	400
380	13	7	8	5	6	380
360	9	4	5	3	3	360
340	6	2	2	2	2	340
320	3	0.8	0.8	1	0.9	320
300	2			0.5	0.3	300
280	0.9			0.1		280
260	0.3					260
240	0.1					240
220						220
200						200
Mean	479	492	530	537	522	Mean
Standard Deviation	92	86	104	99	93	Standard Deviation
Number Tested	966	966	966	966	966	Number Tested

TABLE VI

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - 16th Grade

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800			99.8	99.6		800
780		99.6	99.6	99	99.6	780
760		98	99.4	97	98	760
740		97	99.2	96	97	740
720	99.6	96	98	95	96	720
700	98	95	95	92	94	700
680	97	93	90	90	92	680
660	95	92	85	84	89	660
640	92	89	79	77	83	640
620	89	85	72	72	77	620
600	84	79	65	65	71	600
580	80	74	60	57	64	580
560	75	68	55	51	57	560
540	69	63	52	45	49	540
520	61	56	45	37	41	520
500	53	47	39	31	35	500
480	47	39	33	26	27	480
460	41	31	27	21	22	460
440	34	25	21	15	18	440
420	26	18	15	10	13	420
400	18	13	12	7	9	400
380	12	7	7	4	5	380
360	8	3	4	3	4	360
340	5	1	2	2	3	340
320	3	0.2	0.6	1	2	320
300	1			0.8	0.6	300
280	0.8			0.4		280
260	0.4					260
240						240
220						220
200						200
Mean	493	516	539	554	541	Mean
Standard Deviation	97	99	107	106	100	Standard Deviation
Number Tested	239	239	239	239	239	Number Tested

TABLE VII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Highest Grade Completed - Indeterminate

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760				99.9+		760
740				99.9	99.9+	740
720	99.9+	99.9+	99.9+	99.9	99.9+	720
700	99.9+	99.9+	99.9	99.7	99.9	700
680	99.9	99.9	99.8	99.5	99.8	680
660	99.9	99.8	99.6	99.2	99.7	660
640	99.7	99.7	99.4	98	99.4	640
620	99.5	99.6	99	98	99	620
600	99.1	99.4	98	96	98	600
580	99	99	97	94	97	580
560	98	98	96	92	96	560
540	97	97	95	88	93	540
520	95	95	93	81	91	520
500	92	91	90	79	87	500
480	89	89	86	72	82	480
460	85	83	81	65	77	460
440	80	76	74	58	70	440
420	73	67	66	50	61	420
400	65	49	56	40	51	400
380	57	42	44	30	40	380
360	48	29	30	24	29	360
340	37	18	17	16	18	340
320	26	6	6	10	9	320
300	16			6	3	300
280	9			2		280
260	3					260
240	1					240
220						220
200						200
Mean	376	400	404	430	409	Mean
Standard Deviation	78	63	69	88	74	Standard Deviation
Number Tested	4393	4393	4393	4393	4393	Number Tested

TABLES VIII - XXXIII

Percentile Ranks
For
Candidates By Age

TABLE VIII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 17

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760						760
740					99.7	740
720				99.4	99.1	720
700				99	99	700
680	99.4			99	99	680
660	99	99.4		98	99	660
640	99	99	99.7	95	98	640
620	99	99	99	93	98	620
600	98	99	98	90	97	600
580	97	98	95	86	95	580
560	96	97	93	82	94	560
540	95	96	90	78	91	540
520	94	94	85	73	87	520
500	91	92	80	67	81	500
480	85	86	75	58	72	480
460	79	77	67	54	64	460
440	72	70	54	49	57	440
420	61	60	50	42	51	420
400	52	49	40	33	44	400
380	47	36	33	26	34	380
360	40	22	23	21	24	360
340	31	13	13	15	14	340
320	21	4	4	10	9	320
300	14			6	3	300
280	7			2		280
260	1					260
240						240
220						220
200						200
Mean	394	410	428	454	428	Mean
Standard Deviation	84	65	68	104	85	Standard Deviation
Number Tested	174	167	161	168	172	Number Tested

TABLE IX

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 18

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800				99.9		800
780				99.9		780
760				99.9		760
740				99.9	99.9	740
720			99.9	99.8	99.9	720
700	99.9	99.9	99.8	99.5	99.8	700
680	99.8	99.9	99.6	99	99.4	680
660	99.6	99.8	99.1	98	99	660
640	99.3	99.7	98	97	98	640
620	99	99.3	97	96	98	620
600	98	99	96	93	97	600
580	98	98	94	90	95	580
560	96	97	91	86	93	560
540	94	95	87	82	91	540
520	91	92	83	75	87	520
500	87	89	77	69	82	500
480	83	84	72	62	75	480
460	77	76	70	54	69	460
440	71	70	60	48	62	440
420	63	59	52	40	53	420
400	55	46	42	31	43	400
380	46	33	32	24	33	380
360	38	22	21	18	23	360
340	27	12	11	12	14	340
320	20	4	4	8	8	320
300	12			4	3	300
280	6			1		280
260	3					260
240	0.07					240
220						220
200						200
Mean	397	414	432	453	425	Mean
Standard Deviation	85	66	83	94	81	Standard Deviation
Number Tested	2300	2219	2199	2258	2296	Number Tested

TABLE X

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 19

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+	99.9+	99.9+		800
780		99.9+	99.9+	99.9+		780
760		99.9+	99.9	99.9	99.9+	760
740		99.9+	99.9	99.8	99.9+	740
720	99.9+	99.9+	99.7	99.6	99.9	720
700	99.9	99.9+	99.5	99.2	99.8	700
680	99.8	99.9	99.2	99	99.5	680
660	99.6	99.8	99	98	99.1	660
640	99.2	99.6	98	96	99	640
620	99	99.3	96	95	98	620
600	98	99	94	92	97	600
580	97	98	92	90	95	580
560	95	97	89	85	93	560
540	93	95	85	80	90	540
520	90	91	81	73	86	520
500	86	87	76	67	81	500
480	81	82	70	60	74	480
460	76	74	63	52	67	460
440	69	66	56	44	59	440
420	62	55	48	37	50	420
400	53	43	39	29	41	400
380	44	31	29	22	31	380
360	35	20	19	16	21	360
340	26	11	11	11	13	340
320	18	4	4	6	7	320
300	11			4	2	300
280	6			1		280
260	2					260
240	0.6					240
220						220
200						200
Mean	401	419	440	459	429	Mean
Standard Deviation	86	67	88	95	81	Standard Deviation
Number Tested	6211	6181	6150	6189	6211	Number Tested

TABLE XI

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 20

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800			99.9+	99.9+	99.9+	800
780			99.9	99.9	99.9+	780
760		99.9+	99.9	99.8	99.9	760
740	99.9+	99.9	99.7	99.6	99.8	740
720	99.9	99.9	99.4	99.3	99.8	720
700	99.9	99.9	99.1	99	99.5	700
680	99.7	99.7	99	98	99.2	680
660	99.2	99.5	98	97	99	660
640	99	99.1	97	95	98	640
620	98	98	95	94	97	620
600	97	98	93	91	96	600
580	96	97	90	87	94	580
560	94	95	87	83	91	560
540	91	93	83	78	87	540
520	88	89	78	72	84	520
500	84	85	73	66	79	500
480	79	79	67	58	71	480
460	73	72	61	51	65	460
440	67	64	53	44	57	440
420	59	54	46	36	47	420
400	51	42	37	29	38	400
380	42	30	28	22	29	380
360	34	20	18	16	20	360
340	25	11	10	10	12	340
320	17	3	3	6	6	320
300	10			3	2	300
280	5			.97		280
260	2					260
240	.5					240
220						220
200						200
Mean	407	423	447	463	436	Mean
Standard Deviation	90	72	92	98	84	Standard Deviation
Number Tested	7542	7535	7551	7544	7546	Number Tested

TABLE XII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 21

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+	99.9+	99.9+	99.9+	800
780	99.9+	99.9+	99.9+	99.9	99.9+	780
760	99.9+	99.9+	99.9	99.8	99.9+	760
740	99.9+	99.9+	99.7	99.6	99.9	740
720	99.9	99.9	99.5	99.2	99.7	720
700	99.8	99.8	99.1	99	99.5	700
680	99.5	99.6	99	98	99.1	680
660	99.1	99.3	97	97	99	660
640	99	99	96	95	98	640
620	98	98	95	94	97	620
600	96	97	92	91	95	600
580	95	96	89	87	93	580
560	93	94	85	84	90	560
540	91	92	81	79	86	540
520	87	88	77	72	82	520
500	83	84	71	66	76	500
480	78	78	66	58	69	480
460	72	70	59	50	62	460
440	65	62	52	38	54	440
420	58	52	44	36	46	420
400	49	41	35	28	37	400
380	41	30	26	21	27	380
360	32	19	17	15	18	360
340	24	11	9	10	11	340
320	16	3	3	6	5	320
300	10			3	2	300
280	5			0.9		280
260	2					260
240	0.7					240
220						220
200						200
Mean	411	426	451	464	441	Mean
Standard Deviation	91	74	93	96	86	Standard Deviation
Number Tested	6475	6488	6487	6485	6467	Number Tested

TABLE XIII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 22

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800	99.9+	99.9+	99.9+	99.9+	99.9+	800
780	99.9+	99.9	99.9	99.9	99.9+	780
760	99.9+	99.9	99.9	99.8	99.9	760
740	99.9	99.8	99.7	99.5	99.8	740
720	99.8	99.8	99.5	99.1	99.6	720
700	99.7	99.7	99.1	99	99.4	700
680	99.4	99.5	99	98	99	680
660	99.1	99.3	97	97	98	660
640	99	99	96	95	97	640
620	98	98	94	93	96	620
600	97	97	92	90	95	600
580	95	96	89	86	92	580
560	93	94	85	82	90	560
540	90	92	81	77	86	540
520	87	88	76	71	81	520
500	82	83	71	65	75	500
480	77	76	65	58	68	480
460	71	68	59	50	61	460
440	65	61	52	42	53	440
420	57	51	44	35	44	420
400	48	39	35	27	35	400
380	39	28	26	20	25	380
360	31	18	17	14	16	360
340	22	10	9	9	10	340
320	15	3	3	5	5	320
300	9			3	2	300
280	4			.98		280
260	2					260
240	.6					240
220						220
200						200
Mean	414	429	452	467	444	Mean
Standard Deviation	90	75	94	98	86	Standard Deviation
Number Tested	5050	5082	5094	5067	5053	Number Tested

TABLE XIV

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 23

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+	99.9+	99.9+		800
780		99.9	99.9+	99.9	99.9+	780
760		99.9	99.9	99.8	99.9	760
740	99.9+	99.9	99.7	99.6	99.8	740
720	99.9	99.8	99.6	99.2	99.7	720
700	99.9	99.7	99.2	99	99.5	700
680	99.7	99.6	99	98	99.1	680
660	99.3	99.2	98	97	99	660
640	99	99	97	95	98	640
620	98	98	95	93	96	620
600	97	97	92	90	94	600
580	95	96	89	86	92	580
560	93	93	85	82	89	560
540	91	91	81	77	85	540
520	87	87	77	71	80	520
500	83	82	71	65	74	500
480	78	76	65	57	67	480
460	71	68	59	49	59	460
440	64	60	52	42	51	440
420	56	50	44	35	43	420
400	47	39	35	26	34	400
380	39	28	25	19	24	380
360	31	18	17	14	16	360
340	23	10	9	9	9	340
320	15	3	3	6	4	320
300	9			3	1	300
280	5			.9		280
260	2					260
240	.4					240
220						220
200						200
Mean	413	430	451	467	447	Mean
Standard Deviation	89	76	92	98	86	Standard Deviation
Number Tested	3552	3582	3587	3564	3561	Number Tested

TABLE XV

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 24

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800				99.9+		800
780		99.9+	99.9+	99.9	99.9+	780
760		99.9	99.9	99.8	99.9	760
740		99.7	99.8	99.5	99.8	740
720	99.9+	99.7	99.5	99.1	99.6	720
700	99.9	99.6	99	99	99.3	700
680	99.7	99.4	98	98	99	680
660	99.5	99.2	97	97	98	660
640	99	99	96	95	97	640
620	98	98	95	93	96	620
600	97	97	92	91	95	600
580	95	96	90	87	92	580
560	94	94	85	84	89	560
540	91	92	78	78	85	540
520	87	88	76	72	81	520
500	83	84	71	66	74	500
480	77	77	65	59	66	480
460	71	69	59	50	59	460
440	64	61	51	42	51	440
420	55	50	44	35	42	420
400	46	38	36	27	34	400
380	38	26	27	20	24	380
360	29	17	18	14	16	360
340	22	9	10	9	9	340
320	14	3	3	5	4	320
300	9			3	1	300
280	4			0.98		280
260	2					260
240	0.4					240
220						220
200						200
Mean	414	430	451	465	447	Mean
Standard Deviation	88	74	93	97	86	Standard Deviation
Number Tested	2226	2235	2244	2231	2213	Number Tested

TABLE XVI

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 25

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780			99.9+	99.9+		780
760	99.9+	99.9+	99.9+	99.9	99.9+	760
740	99.9+	99.9+	99.9+	99.8	99.8	740
720	99.9	99.9	99.8	99.7	99.7	720
700	99.8	99.8	99.7	99.3	99.4	700
680	99.7	99.6	99.2	99	99	680
660	99.5	99.2	99	98	98	660
640	99.1	99	97	97	97	640
620	98	98	96	96	96	620
600	97	97	94	94	94	600
580	96	96	91	90	93	580
560	96	94	88	86	90	560
540	92	93	85	82	87	540
520	90	89	80	76	84	520
500	86	85	75	71	78	500
480	81	80	69	63	69	480
460	75	73	62	54	61	460
440	67	64	54	47	53	440
420	59	53	46	39	43	420
400	50	41	37	24	33	400
380	41	28	28	21	23	380
360	31	17	18	15	15	360
340	22	9	10	9	8	340
320	15	3	3	5	4	320
300	9			3	1	300
280	4			0.8		280
260	1					260
240	0.5					240
220						220
200						200
Mean	408	426	443	445	444	Mean
Standard Deviation	85	72	87	90	83	Standard Deviation
Number Tested	1582	1596	1597	1589	1591	Number Tested

TABLE XVII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 26

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760		99.9+				760
740		99.9+	99.9+	99.9+	99.9+	740
720		99.9+	99.7	99.6	99.8	720
700	99.9+	99.8	99.3	99.2	99.6	700
680	99.6	99.6	99	99	99.3	680
660	99.3	99.1	98	97	99	660
640	99	98	97	96	98	640
620	98	98	96	94	97	620
600	97	97	94	92	95	600
580	96	96	91	89	92	580
560	94	94	88	86	89	560
540	91	92	85	81	85	540
520	88	89	82	75	80	520
500	84	85	78	69	75	500
480	79	79	72	62	67	480
460	73	71	66	53	60	460
440	67	62	58	46	51	440
420	59	52	50	38	41	420
400	50	41	40	29	32	400
380	42	25	30	21	22	380
360	32	19	20	16	13	360
340	24	11	10	10	7	340
320	15	3	3	5	3	320
300	8			3	1	300
280	4			0.9		280
260	2					260
240	0.4					240
220						220
200						200
Mean	409	426	438	457	448	Mean
Standard Deviation	88	74	88	93	82	Standard Deviation
Number Tested	1202	1212	1218	1205	1200	Number Tested

TABLE XVIII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 27

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760					99.9+	760
740					99.9	740
720				99.9	99.8	720
700	99.9+	99.9	99.9	99.6	99.8	700
680	99.9	99.8	99.7	99.1	99.6	680
660	99.8	99.7	99.4	98	99	660
640	99.4	99.5	99	98	98	640
620	99	99.2	97	97	97	620
600	98	99	95	94	96	600
580	97	98	92	92	94	580
560	95	97	90	89	91	560
540	93	95	87	85	88	540
520	90	91	83	79	83	520
500	86	87	78	73	76	500
480	81	81	74	66	69	480
460	75	73	68	57	61	460
440	69	64	59	49	52	440
420	60	54	50	42	43	420
400	52	41	41	34	34	400
380	42	28	31	25	23	380
360	33	17	20	17	16	360
340	23	10	11	10	10	340
320	15	3	4	6	4	320
300	9			4	1	300
280	5			0.97		280
260	2					260
240	0.5					240
220						220
200						200
Mean	405	421	433	447	443	Mean
Standard Deviation	83	66	83	88	81	Standard Deviation
Number Tested	927	918	926	920	924	Number Tested

TABLE XIX

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 28

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760					99.9+	760
740				99.9	99.9	740
720			99.9+	99.8	99.8	720
700			99.8	99.7	99.7	700
680		99.9+	99.6	99.5	99.4	680
660		99.6	99.2	99	99	660
640	99.8	99.1	99	97	98	640
620	99.4	99	98	96	97	620
600	99	98	97	95	95	600
580	97	98	95	93	92	580
560	96	96	93	90	90	560
540	93	94	91	87	87	540
520	90	91	88	81	82	520
500	86	87	84	75	77	500
480	81	81	78	67	70	480
460	75	74	71	58	62	460
440	69	67	63	49	55	440
420	62	57	55	40	45	420
400	53	44	44	32	36	400
380	44	31	34	24	26	380
360	35	19	23	17	16	360
340	25	10	12	10	9	340
320	17	3	4	6	5	320
300	10			3	2	300
280	4			0.6		280
260	2					260
240	0.6					240
220						220
200						200
Mean	402	419	424	446	442	Mean
Standard Deviation	84	67	78	85	83	Standard Deviation
Number Tested	804	813	802	819	813	Number Tested

TABLE XX

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 29

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800					99.9	800
780					99.9	780
760		99.9	99.9		99.9	760
740		99.9	99.9	99.9	99.9	740
720		99.8	99.9	99.8	99.8	720
700	99.9	99.6	99.8	99.5	99.6	700
680	99.6	99.4	99.7	99.2	99.3	680
660	99.2	99.4	99.2	99	99.0	660
640	99	99.1	99	98	99	640
620	98	99	98	97	98	620
600	97	98	96	96	97	600
580	96	97	94	93	95	580
560	95	96	92	91	92	560
540	94	94	89	88	88	540
520	92	91	86	84	83	520
500	89	87	82	79	77	500
480	85	81	76	71	69	480
460	80	74	70	61	61	460
440	73	66	63	54	53	440
420	63	54	55	45	43	420
400	52	41	46	35	33	400
380	42	28	36	25	22	380
360	34	18	23	18	14	360
340	25	10	11	11	9	340
320	17	3	3	7	5	320
300	10			4	2	300
280	5			1		280
260	2					260
240	0.6					240
220						220
200						200
Mean	400	422	426	438	442	Mean
Standard Deviation	83	69	80	85	80	Standard Deviation
Number Tested	714	718	725	712	712	Number Tested

TABLE XXI

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 30

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780			99.9+			780
760		99.9+	99.8		99.9+	760
740	99.9+	99.8	99.8	99.9+	99.8	740
720	99.8	99.8	99.8	99.5	99.6	720
700	99.8	99.7	99.6	99	99.3	700
680	99.4	99.3	99.3	99	99	680
660	99.1	99	99.0	99	99	660
640	99	99	98	98	98	640
620	98	98	97	96	98	620
600	97	98	96	95	97	600
580	96	97	95	92	95	580
560	95	96	93	91	92	560
540	93	94	91	86	87	540
520	90	91	88	80	82	520
500	87	86	84	74	76	500
480	82	80	83	68	68	480
460	75	71	73	60	60	460
440	69	64	67	52	52	440
420	61	53	59	43	43	420
400	53	42	49	33	33	400
380	46	31	34	25	24	380
360	37	20	22	19	16	360
340	27	11	13	11	9	340
320	18	3	4	7	4	320
300	10			3	1	300
280	5			0.9		280
260	2					260
240	0.5					240
220						220
200						200
Mean	402	422	421	443	443	Mean
Standard Deviation	87	72	79	89	81	Standard Deviation
Number Tested	601	593	601	603	601	Number Tested

TABLE XXII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 31

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780			99.9+			780
760			99.8			760
740			99.8	99.9+	99.9+	740
720			99.8	99.8	99.8	720
700		99.8	99.7	99.7	99.7	700
680	99.9+	99.6	99.6	99.5	99.5	680
660	99.7	99.4	99.5	99.1	99.3	660
640	99.5	99	99	98	98	640
620	99	98	98	97	97	620
600	98	98	97	96	95	600
580	98	97	96	93	93	580
560	96	96	94	91	88	560
540	94	94	92	86	83	540
520	91	90	89	81	79	520
500	87	87	85	76	72	500
480	83	81	80	68	64	480
460	77	73	73	59	58	460
440	71	64	65	51	50	440
420	63	52	55	43	41	420
400	54	40	45	34	32	400
380	44	29	35	25	21	380
360	33	19	24	18	16	360
340	23	11	13	11	9	340
320	15	4	5	6	4	320
300	9			3	1	300
280	5			1		280
260	2					260
240	0.4					240
220						220
200						200
Mean	402	423	421	442	450	Mean
Standard Deviation	81	70	76	86	84	Standard Deviation
Number Tested	549	560	552	550	546	Number Tested

TABLE XXIII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 32

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800				99.9		800
780				99.8		780
760				99.7	99.9	760
740				99.6	99.8	740
720			99.9	99.5	99.8	720
700	99.9	99.9	99.7	99.4	99.6	700
680	99.7	99.6	99.3	99.3	99	680
660	99.5	99.3	99	99.2	98	660
640	99.0	99.2	98	99	97	640
620	98	99	98	98	96	620
600	98	98	97	97	95	600
580	97	97	95	95	92	580
560	96	95	94	92	89	560
540	93	93	92	89	85	540
520	91	89	90	84	82	520
500	88	84	86	79	77	500
480	84	79	80	72	71	480
460	80	72	74	64	62	460
440	73	66	67	57	54	440
420	66	58	59	48	44	420
400	57	46	49	40	35	400
380	49	32	38	32	25	380
360	38	20	26	25	17	360
340	29	12	14	17	11	340
320	20	4	4	10	6	320
300	12			5	2	300
280	7			1		280
260	3					260
240	1					240
220						220
200						200
Mean	394	420	417	430	442	Mean
Standard Deviation	86	73	78	88	87	Standard Deviation
Number Tested	473	476	474	476	474	Number Tested

TABLE XXIV

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 33

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760			99.9	99.9	99.9	760
740			99.7	99.5	99.8	740
720		99.9	99.5	99.3	99.8	720
700	99.9	99.7	99.5	99.3	99.4	700
680	99.8	99.5	99.4	99.2	99	680
660	99.7	99	99.1	98	98	660
640	99.4	98	98	97	97	640
620	99	98	97	96	97	620
600	98	97	95	95	96	600
580	98	96	93	93	93	580
560	96	94	92	91	90	560
540	93	92	90	87	86	540
520	91	89	87	83	81	520
500	87	85	85	78	74	500
480	83	80	81	71	66	480
460	78	73	75	64	59	460
440	72	65	66	59	50	440
420	64	54	58	49	40	420
400	55	42	48	38	31	400
380	45	31	37	29	21	380
360	36	20	25	20	13	360
340	26	11	14	11	8	340
320	17	4	5	6	4	320
300	10			2	1	300
280	6			0.7		280
260	1					260
240	0.6					240
220						220
200						200
Mean	398	424	421	437	449	Mean
Standard Deviation	83	76	83	87	83	Standard Deviation
Number Tested	442	436	439	441	446	Number Tested

TABLE XXV

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 34

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9				800
780		99.8				780
760		99.8	99.9	99.9		760
740		99.8	99.6	99.7	99.9	740
720	99.9	99.7	99.6	99.5	99.8	720
700	99.8	99.6	99.4	99	99.4	700
680	99.8	99.6	99.2	98	99	680
660	99.6	99.3	99	98	98	660
640	99	98	98	97	97	640
620	98	97	97	96	96	620
600	97	96	95	94	95	600
580	96	95	94	91	92	580
560	94	93	92	90	89	560
540	92	90	90	86	85	540
520	90	86	86	81	79	520
500	88	81	84	77	73	500
480	83	78	79	70	66	480
460	76	70	72	63	58	460
440	70	63	65	56	50	440
420	64	54	56	47	43	420
400	56	43	46	36	34	400
380	47	31	35	27	24	380
360	38	21	24	19	15	360
340	27	12	13	12	8	340
320	19	3	4	7	4	320
300	12			4	1	300
280	6			1		280
260	4					260
240	1					240
220						220
200						200
Mean	399	427	423	440	449	Mean
Standard Deviation	89	80	81	91	85	Standard Deviation
Number Tested	502	506	505	498	503	Number Tested

TABLE XXVI

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 35

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760				99.9	99.9	760
740		99.9		99.7	99.8	740
720		99.8	99.9	99.3	99.8	720
700	99.9	99.8	99.6	99	99.2	700
680	99.7	99.6	99.2	98	98	680
660	99.5	99	99	98	97	660
640	99	98	98	97	96	640
620	98	97	97	96	94	620
600	98	96	96	94	91	600
580	97	95	94	92	88	580
560	95	93	91	89	85	560
540	93	90	89	85	81	540
520	90	87	86	80	76	520
500	87	83	81	75	70	500
480	83	78	75	69	62	480
460	76	71	69	61	56	460
440	69	65	62	53	49	440
420	63	54	54	44	41	420
400	55	42	45	34	32	400
380	45	30	36	25	22	380
360	35	19	24	18	14	360
340	26	10	13	10	8	340
320	17	2	5	5	3	320
300	9			3	0.7	300
280	4			0.7		280
260	0.98					260
240	0.2					240
220						220
200						200
Mean	401	428	426	445	457	Mean
Standard Deviation	84	79	83	89	93	Standard Deviation
Number Tested	457	456	450	459	454	Number Tested

TABLE XXVII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 36

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760				99.9		760
740				99.6	99.8	740
720	99.8	99.8	99.9	99.4	99.5	720
700	99.4	99.5	99.6	99.2	99.2	700
680	99.1	99.4	99.4	99	99	680
660	99	99	98	98	98	660
640	98	98	97	97	96	640
620	98	98	96	96	94	620
600	97	96	94	94	93	600
580	95	95	93	92	89	580
560	94	93	91	89	84	560
540	92	89	89	84	79	540
520	89	84	86	78	72	520
500	86	79	81	73	66	500
480	81	73	77	66	59	480
460	75	65	72	59	51	460
440	68	55	63	51	43	440
420	58	44	53	43	34	420
400	49	33	44	34	26	400
380	41	22	35	25	18	380
360	35	13	24	17	12	360
340	26	6	14	10	6	340
320	17	1	5	6	2	320
300	9		1	2	0.7	300
280	5			0.4		280
260	2					260
240	0.4					240
220						220
200						200
Mean	407	441	427	447	465	Mean
Standard Deviation	89	76	85	90	88	Standard Deviation
Number Tested	422	424	428	423	422	Number Tested

TABLE XXVIII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 37

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760						760
740		99.9	99.9	99.7	99.9	740
720	99.9	99.6	99.7	99.3	99.7	720
700	99.7	99.3	99.7	99.1	99.3	700
680	99.7	99	99.7	99	99	680
660	99.7	98	99.6	98	98	660
640	99.6	98	99.2	98	97	640
620	99.3	98	98	97	96	620
600	99	97	97	95	94	600
580	98	96	96	92	90	580
560	96	93	94	90	85	560
540	94	90	92	87	81	540
520	92	86	90	83	75	520
500	89	82	87	79	69	500
480	84	76	83	74	61	480
460	78	70	77	67	55	460
440	72	63	70	58	46	440
420	64	51	61	50	38	420
400	55	39	51	39	30	400
380	46	28	40	28	20	380
360	38	17	29	20	13	360
340	29	8	17	13	8	340
320	18	2	6	7	5	320
300	9			4	2	300
280	5			1		280
260	2					260
240	0.7					240
220						220
200						200
Mean	396	431	412	434	457	Mean
Standard Deviation	81	77	76	89	88	Standard Deviation
Number Tested	349	351	354	349	348	Number Tested

TABLE XXIX

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 38

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760					99.8	760
740					99.6	740
720					99.6	720
700			99.8		99.2	700
680		99.8	99.6		98	680
660		99.6	99.6	99.6	98	660
640	99.6	99	99.2	98	98	640
620	99.2	98	98	97	97	620
600	99	97	97	97	95	600
580	98	97	95	95	93	580
560	97	95	94	92	89	560
540	95	92	93	89	84	540
520	93	88	90	84	79	520
500	90	85	86	77	74	500
480	85	79	82	71	66	480
460	79	69	76	65	57	460
440	72	60	68	55	46	440
420	64	50	59	43	35	420
400	55	38	47	32	25	400
380	46	25	36	23	18	380
360	36	14	24	18	13	360
340	26	6	14	12	9	340
320	18	2	6	8	5	320
300	11			5	2	300
280	7			2		280
260	4					260
240	1					240
220						220
200						200
Mean	394	430	417	438	454	Mean
Standard Deviation	80	69	74	82	83	Standard Deviation
Number Tested	240	243	246	241	240	Number Tested

TABLE XXX

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 39

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760						760
740		99.7		99.7		740
720		99.3	99.7	99.0	99.7	720
700		99.3	99.4	99	98	700
680	99.7	99.3	99.4	98	97	680
660	99	99.0	99.4	98	96	660
640	98	99	99.4	96	95	640
620	97	98	99	95	93	620
600	95	97	97	93	90	600
580	92	95	95	92	86	580
560	92	92	94	90	83	560
540	91	89	92	85	80	540
520	89	85	91	81	77	520
500	87	82	85	76	69	500
480	82	78	79	68	60	480
460	76	71	73	60	55	460
440	70	63	65	52	47	440
420	62	52	58	42	37	420
400	51	37	50	32	28	400
380	42	24	37	24	19	380
360	34	17	26	18	12	360
340	25	10	19	11	7	340
320	18	3	7	5	3	320
300	10			2	1	300
280	6			0.3		280
260	3					260
240	1					240
220						220
200						200
Mean	405	432	417	447	462	Mean
Standard Deviation	92	78	78	90	93	Standard Deviation
Number Tested	153	153	154	155	154	Number Tested

TABLE XXXI

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age 40

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800						800
780						780
760					99.5	760
740					99.1	740
720				99.5	99.1	720
700	99.5	99.5		99.1	99.1	700
680	99.1	99		99.1	99.1	680
660	99	98		98	98	660
640	98	98	99.5	97	96	640
620	98	98	99	97	94	620
600	97	97	97	95	92	600
580	97	95	96	90	88	580
560	95	93	93	86	82	560
540	94	90	91	81	75	540
520	92	86	88	76	69	520
500	87	81	82	71	65	500
480	83	77	74	64	59	480
460	81	70	69	56	51	460
440	75	63	58	49	43	440
420	67	55	48	40	34	420
400	56	42	42	29	27	400
380	43	29	35	22	22	380
360	35	16	24	18	16	360
340	29	9	14	12	8	340
320	21	4	6	7	3	320
300	13			3	0.5	300
280	7			0.5		280
260	1					260
240						240
220						220
200						200
Mean	397	430	426	452	465	Mean
Standard Deviation	87	79	78	91	93	Standard Deviation
Number Tested	106	107	107	107	106	Number Tested

TABLE XXXII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Over Age 40

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800		99.9+				800
780		99.8	99.9+			780
760		99.8	99.8	99.9+	99.9+	760
740		99.7	99.7	99.7	99.7	740
720		99.6	99.6	99.7	99.6	720
700	99.9+	99.2	99.6	99.7	99.2	700
680	99.6	99	99.4	99.5	98	680
660	99.1	98	99	99	97	660
640	98	98	98	98	95	640
620	98	97	97	97	92	620
600	97	96	97	95	88	600
580	95	94	95	92	85	580
560	93	90	94	90	81	560
540	91	86	91	85	77	540
520	87	82	88	79	70	520
500	84	77	85	74	62	500
480	78	72	80	68	54	480
460	72	64	72	61	47	460
440	66	56	64	54	39	440
420	59	45	55	45	32	420
400	51	33	43	35	24	400
380	42	22	33	25	16	380
360	34	14	23	18	11	360
340	26	9	14	11	6	340
320	18	3	5	6	2	320
300	12			4	0.5	300
280	6			1		280
260	2					260
240	0.5					240
220						220
200						200
Mean	408	442	423	443	475	Mean
Standard Deviation	93	83	78	89	93	Standard Deviation
Number Tested	565	567	567	565	565	Number Tested

TABLE XXXIII

GENERAL EXAMINATIONS

Percentile Ranks

USAFI Candidates - Age Indeterminate

Scaled Score	English Composition	Humanities	Mathematics	Natural Sciences	Social Sciences-History	Scaled Score
800				99.8		800
780				99.6		780
760				99.6		760
740				99.6	99.8	740
720			99.6	99.4	99.2	720
700			99	98	99	700
680	99.4	99.8	98	96	98	680
660	99	99.2	97	94	97	660
640	99	98	96	92	96	640
620	98	98	94	90	95	620
600	98	98	91	86	93	600
580	96	97	87	81	90	580
560	93	94	83	76	87	560
540	89	91	81	72	83	540
520	83	85	77	67	77	520
500	77	78	72	60	69	500
480	72	71	65	54	61	480
460	67	62	59	47	54	460
440	62	55	51	39	49	440
420	56	47	42	31	38	420
400	49	37	33	23	31	400
380	41	26	22	17	24	380
360	32	15	13	13	17	360
340	22	9	8	8	10	340
320	16	3	3	5	3	320
300	10			3	3	300
280	7			0.09		280
260	2					260
240						240
220						220
200						200
Mean	417	437	457	479	456	Mean
Standard Deviation	93	75	93	104	92	Standard Deviation
Number Tested	259	259	259	259	259	Number Tested